

Purpose

The purpose of this policy is to establish the criteria for the lighting of interchanges.

Policy

Interchange lighting has been determined to be an acceptable method of promoting the safe and efficient movement of traffic. Interchange lighting is warranted as specified in the Table included within this policy.

Background

This type of lighting illuminates only the major conflict and decision points at interchanges. Lighting will include three luminaires at the exit ramp area and two luminaires at the ramp terminations (one at the cross street and one on the ramp).

In addition, lighting may be considered in the following areas:

1. Major weave sections.
2. Lane drop areas.
3. Complex alignment changes such as curves greater than 5 degrees.
4. Short gaps of less than 1,000 feet.
5. On ramps and other areas where night time accidents are known to be a problem, and exceed the night time to day time accident ratio of 2.0 to 1.

Interchange Lighting Warrant Table

Average Daily Traf	Less than 1000	1000-3000	3000-5000	> Than 5000
Rural	No	Yes	Yes	Yes
Suburban	No	No	Yes	Yes
Urban	No	No	No	Yes

Definitions

For the purpose of this policy, the following definitions shall apply:

Urban - an area with a boundary set by the responsible state and local officials and having a population of 50,000 or more.

Suburban - an area in which the population in the immediate vicinity is between 10,000 and 50,000.

Rural - those areas outside the urban and suburban area.

INTERCHANGE LIGHTING

